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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Eric Chao XU

Application No.: 10/677,545

Filing Date: October 2, 2003

For: **MULTI-STAGE AP MECHANICAL PULPING
WITH REFINER BLOW LINE TREATMENT**

Examiner:

Group Art Unit: 1625

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of the above-identified application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

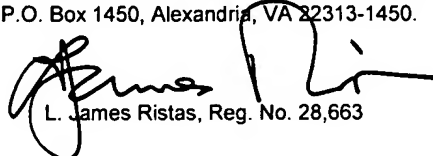
This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such. In particular, applicant does not believe that 6,881,299 is effective as a reference.

In accordance with 37 CFR 1.97(b), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

Mailing Receipt

I hereby certify that this correspondence is being deposited on the date given below with the United States Post Office Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date October 18, 2005


L. James Ristas, Reg. No. 28,663

A copy of any document other than U.S. patents listed on the attached PTO-1449 is supplied herewith.

The documents listed on pages 3 to 5 were among the documents cited in the technical papers listed on page 2.

Respectfully submitted,
Eric Chao XU

By: 

L. James Ristas
Registration No. 28,663
Alix, Yale & Ristas LLP
Attorney for Applicant

Date: October 18, 2005
750 Main Street
Hartford, Connecticut 06103-2721
(860) 527-9211
Our Ref: ANDRPR/385/US

LJR/ds



Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Application Number

10/677,545

Inventor

Eric Chao XU

Title

**Multi-Stage AP Mechanical Pulping with Refiner Blow Line
Treatment**

Filing Date

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Group Art Unit

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Docket Number

ANDRPR/385/US

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,270,976	06/02/1981	Sandstorm, et al			
	6,743,332	06/01/2004	Haynes, et al			
	6,881,299	04/19/2005	Parrish, et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Application Number <div style="text-align: center;">10/677,545</div>		Inventor <div style="text-align: center;">Eric Chao XU</div>		
			Title <div style="text-align: center;">Multi-Stage AP Mechanical Pulping with Refiner Blow Line Treatment</div>				
			Filing Date <div style="text-align: center;">October 2, 2003</div>		Group Art Unit <div style="text-align: center;">1625</div>	Docket Number <div style="text-align: center;">ANDRPR/385/US</div>	
U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>							
		Eric C. Xu – "A New Concept in Alkaline Peroxide Mechanical Pulping", 1999 <i>International Mechanical Pulping Conference Proceedings</i> , Houston, May 24-26, 1999. P. 5A-3.					
		Eric C. Xu – "A New Technology for Utilization of South American Eucalyptus in Paper and Board Manufacture", 32 nd <i>ABTCP Annual Conference</i> , Sao Paulo, Brazil, October 18-21, 1999					
		Eric C. Xu – "P-RC Alkaline Peroxide Mechanical Pulping of Hardwood Part 1 – Aspen, Beech, Birch, Cottonwood and Maple" <i>PATAC annual meeting proceedings</i> , Montreal 2000					
		Eric C. Xu – "P-RC APMP Pulps from Asian Tropical Hardwoods". Asia Paper conference proceedings, Singapore, April 23-27, 2000					
		Eric C. Xu – "Process Selection for Chemical Mechanical Pulping of Aspen" <i>PAPTAC Annual Meeting Montreal</i> , January 29-February 2001					
		Eric C. XU – "P-RC APMP Pulping of Hardwood and its Comparison with Chemical Pulping" <i>Intl. Symp. Environmentally Friendly and Emerging Technologies for a sustainable pulp & Paper Industry Conf. Proceedings</i> , Taiwan, April 25-27, 2000					
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	3,023,140	2/27/1962	C. K. Textor				
	4,187,141	02/05/1980	Ahrel				
	4,900,399	02/13/1990	Bengtsson, et al				
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
1,173,604		09/04/1984	CANADA				
1,078,558		06/03/1980	CANADA				
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		Strunk, W.G. and Meng, T., "Status Report: Pulp Bleaching with Hydrogen Peroxide During Refining". <i>Pulp and Paper</i> 60 (11): (1986).	
		Xu, E.C., Sabourin, M.J., and Cort, J.B., "Evaluation of APMP and BCTMP Processes for Market Pulp Properties from South American Eucalyptus Species". <i>1996 Tappi Pulping Conference Proceedings</i> , p.705.	
		Xu, E.C., "Chemical Treatment in Mechanical Pulping, Part 1: South American Eucalyptus (Process and Properties)". <i>1997 Tappi Pulping Conference Proceedings</i> , p.985.	
		Xu, E.C., "Chemical Treatment in Mechanical Pulping, Part 2: North American Aspen (Process and Properties)". <i>1998 CPPA Technical Section Annual Meeting Proceedings</i> , p. B51	
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	Sferraza, M.J. and Bohn, W.L., "Alkaline Peroxide Mechanical Pulping: The Pulp of the 1990's", <i>22nd ABTCP Pulp and Paper Annual Meeting</i> , (San Paulo, Brazil, November 20-24, 1989).		
	Gentile, V.M., Tschichirner, U., and Wilder, H.D., "The Scott Paper Alkaline Peroxide High Yield Pulping Process". <i>1991 International Mechanical Pulping Conference Proceedings</i> , p. 199.		
	Heitner, C., Beatson, R.P., and Atack, D., "Ultra-High Yield Pulping Part V: High Compression Impregnation of Softwood Chips with Sodium Sulphite – A Method of Producing CMP with High Wet and Dry Strength", <i>paperi ja Puu</i> (8): 417 (1985).		
	Sharpe, P.E. and Rothenberg, I., "Refiner Hydrogen Peroxide Bleaching of Thermomechanical Pulps", <i>Tappi Journal</i> 71 (5): 109 (1988).		

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		October 2, 2003	1625	ANDRPR/385/US
		Springer, R., Huang, Y., Davies, D., Kronis, J., and Heimbürger, S., "Refiner Peroxide Bleaching at Daishowa Port Angeles". <i>84th CPPA Annual Meeting Proceedings</i> , p. A11.		
		Marton, R., Geoff, S., Brown, A.F., and Granzow, S. "Hardwood TMP and RMP Modifications". <i>Tappi Jpournal</i> 62:1 (1979), p. 49.		
		Bohn, W. and Sferrazza, M., "Alkaline peroxide mechanical pulping: a revolution in high yield pulping". <i>1989 International Mechanical Pulping Conference Proceedings</i> , Helsinki, Finland.		
		Cannell, E. and Cockran, R., "The future of BCTMP". <i>Pulp and Paper</i> , May 2000, pp. 61-76.		
		Sabourin, M. and Presley, J., "Low chemical alkaline peroxide TMP – a means for upgrading newsprint mills". <i>1992 Tappi Pulping Conference Proceedings</i> , Book 3 pp. 1135-114		
		Heimbürger, S. Quick, T. Sabourin, M., Trmblay, S., and Shaw, G., "One and two stage AP-TMP – a route to high brightness pulp". <i>Tappi Journal</i> Volume 79: No. 8 (1996) pp.139-144.		
		Xu, E.C., "Mechanical Pulping of South American Eucalyptus – Technology, Pulp Properties and Application Potential". <i>1st ABTCP Pulping Technology Conference – San Paulo, Brazil, May 5-7, 1998.</i>		